IN THE CLAIMS:

1. (Currently Amended) A drive unit~~, preferably an actuator~~ comprising a DC motor having a rotor consisting of a plurality of coils connected to a commutator in connection with a set of brushes to establish a voltage across the coils, said DC motor, via a transmission, driving an adjustment means for adjusting an adjustable element in a structure in which the drive unit is incorporated, said drive unit being supplied with power from a power supply comprising a transformer having a primary side for connection to a mains voltage (alternating current) and a secondary side with rectification and smoothing for connection to the DC motor, ~~characterized in that it comprises~~ a first control to compensate for ~~the~~ loss in the motor, thereby keeping ~~the~~ a speed thereof constant for a ~~long~~ first period of time, as well as second control ~~adapted to remove the~~ that removes ripple in the voltage, thereby keeping the speed of the motor constant for a ~~short~~ second period of time, said second period of time being shorter in duration than said first period of time.

2. (Currently Amended) A drive unit according to claim 1, ~~characterized in that~~ wherein the second control ~~is performed by the following two steps, via.~~ comprises:

a forward step in which ~~the~~ a duty cycle ~~may be~~ is expressed by k and V_{in}, and

a power step in which V_{out} ~~may be~~ is expressed by V_{in} and the duty cycle,

a power step in which V_{out} ~~may be~~ is expressed by V_{in} and the duty cycle, wherein the result of the forward step and the power step is $V_{out} = K$, and wherein V_{in} is ~~the~~ an input voltage from the rectification, V_{out} is ~~the~~ an output voltage from the power step, k is a constant given by ~~the~~ actual circuits for the forward step and the power step, and wherein the duty step is the proportional time for which the power supply ~~may be~~ is loaded during a given period of time.

3. (Currently Amended) A ~~power supply~~ drive unit according to claim 2, ~~characterized in that~~ wherein the forward step is given by: duty cycle = k/V_{in}, and the power step by: ~~$V_{out} = V_{in}$. duty cycle~~ $V_{out} = V_{in} * \text{duty cycle}$.

4. (Currently Amended) A ~~power supply~~ drive unit according to claim 2, ~~characterized in that~~ wherein the forward step is given by: duty cycle = V_{in}/k, and the power step by: $V_{out} = V_{in}/\text{duty cycle}$.

5. (Currently Amended) A control unit for units~~, including actuators~~ comprising a DC motor which, via a transmission, drives an adjustment means for adjusting an adjustable element in a structure in which the drive unit is incorporated, said drive unit being supplied with power from a power supply comprising a transformer having a primary side for connection to a mains voltage and a secondary side with rectification and

smoothing for connection to the DC motor, ~~characterized in that~~ wherein the control unit comprises a first control to compensate for ~~the~~ loss in the motor, thereby keeping ~~the~~ a speed thereof constant for a ~~long~~ first period of time, as well as a second control ~~adapted to remove the~~ for removing ripple in the voltage, thereby keeping the sped of the motor constant for a ~~short~~ second period of time, said second period of time being shorter in duration than said first period of time.

6. (Currently Amended) A structure~~, in particular an article of furniture~~ having at least an element ~~which may be~~ that is adjusted with at least a DC motor~~, preferably~~ via a mechanical transmission, and DC motor being connected to a power supply comprising a transformer having a primary side for connection to a mains voltage and a secondary side with rectification and smoothing for connection to the DC motor, ~~characterized in that~~ wherein the secondary side of the power supply is additionally provided with a first control to compensate for ~~the~~ loss in the motor, thereby keeping ~~the~~ a speed thereof constant for a ~~long~~ first period of time, as well as with a second control ~~adapted to remove the~~ for removing ripple in the voltage, thereby keeping the speed of the motor constant for a ~~short~~ second period of time, said second period of time being shorter in duration than said first period of time.

7. (New) A drive unit according to claim 1, wherein said first period of time is 30 msec. to 1 sec. and said second period of time is less than 10 msec.